**PATENT** 

Attorney Docket No. 5649-1207

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Hideki Horii et al;

Application No.: not yet assigned

Filed:

concurrently herewith

For:

PHASE CHANGEABLE MEMORY DEVICE STRUCTURES AND RELATED METHODS

Date: February 17, 2004

MAIL STOP PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Sir:

Attached is a list of documents on Form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the waiver by the U.S. Patent and Trademark Office of requirements under 37 C.F.R. § 1.98(a)(2)(i) for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003. Also enclosed is a translation or a concise explanation of each non-English language document enclosed.

It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted

Registration No. 38,176

Myers Bigel Sibley & Sajovec, P.A.

P. O. Box 37428

Raleigh, North Carolina 27627 Telephone: (919) 854-1400 Facsimile: (919) 854-1401

Customer No. 20792

**CERTIFICATE OF MAILING UNDER 37 CFR § 1.10** 

"Express Mail" mailing label number EV 353594159 US

Date of Deposit: February 17, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Joyce Pao

| Substitute form 1449A/PTO                                 |   |    | · · · · · · · · · · · · · · · · · · · | Complete if Known      |                       |  |
|---|---|----|---------------------------------------|------------------------|-----------------------|--|
| Cubstitute i  | <b>5,,,,,</b> , , , , , , , , , , , , , , , , |    |                                       | Application Number     | not yet assigned      |  |
| INFORMATION DISCLOSURE                                    |   |    |                                       | Filing Date            | concurrently herewith |  |
| STATEMENT BY APPLICANT  (use as many sheets as necessary) |   |    |                                       | First Named Inventor   | Hideki Horii          |  |
|   |   |    | •                                     | Group Art Unit         | not yet assigned      |  |
|   |   |    |                                       | Examiner Name          | not yet assigned      |  |
| Sheet   | 1   | of | 1                                     | Attorney Docket Number | 5649-1207             |  |

|                       | U.S. PATENTS AND PATENT PUBLICATIONS |                      |                         |  |  |  |  |
|-----------------------|--------------------------------------|----------------------|-------------------------|--|--|--|--|
| Examiner<br>Initials* | Cite No.                             | U.S. Patent Document |                         | Name of Patentee or Applicant of Cited  Document | Date of Publication of Cited<br>Document |  |  |
|                       |                                      | Number               | Kind Code<br>(if known) | Bocament   | MM-DD-YYYY                               |  |  |
| ·                     | 1                                    | US-5,933,365         |                         | Klersy et al;                                    | 08/03/1999                               |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |
|                       | -                                    | US-                  |                         |  |  |  |  |
|                       |                                      | US-                  |                         |  |  |  |  |

|                       |              |  |          | FOREIGN F               | PATENT DOCUMENTS                                |                                       |          |
|-----------------------|--------------|--|----------|-------------------------|---|---------------------------------------|----------|
| Examiner<br>Initials* | Cite<br>No.  | Foreign Patent Document                          |          |                         | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document | Т        |
|                       |              | Office   | Number   | Kind Code<br>(if known) |   | MM-DD-YYYY                            |          |
|                       | 2.           | T  | 04-45585 |                         | Patent Abstract of Japan (in English)           | 02/14/1992                            |          |
|                       | 3.           |  | 04-45585 |                         | Japanese  | 02/14/1992                            |          |
|                       |              |  |          |                         |   |                                       |          |
|                       |              |  |          |                         |   | 1                                     |          |
|                       | ┾            | -  |          |                         |   |                                       |          |
|                       | <del> </del> | <del> </del>                                     |          |                         |   |                                       |          |
|                       |              | +  |          |                         |   |                                       |          |
|                       |              | <del>                                     </del> |          |                         |   |                                       |          |
|                       |              | 1  |          |                         |   |                                       |          |
|                       |              |  |          |                         |   |                                       |          |
|                       |              |  |          |                         |   |                                       | <u> </u> |
|                       |              |  |          |                         |   |                                       | L        |

| OTHER NON PATENT LITERATURE DOCUMENTS |             |  |              |  |
|---------------------------------------|-------------|--|--------------|--|
| Examiner Initials*                    | Cite<br>No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | Т            |  |
|                                       |             |  | ļ            |  |
|                                       |             |  | <u> </u>     |  |
|                                       |             |  |              |  |
|                                       |             |  | <del> </del> |  |
|                                       | <u> </u>    |  |              |  |
|                                       |             |  | +            |  |
|                                       |             |  |              |  |

|                     | <br>            | <del>,</del> |
|---------------------|-----------------|--------------|
| Caracinas Cianatura | Date Considered | 1            |
| Examiner Signature  | Date Considered | i            |
| •                   |                 | i            |
|                     |                 |              |